Title (en)

Antimicrobial water suluble substrates.

Title (de)

Wasserlösliche antimikrobielle Substrate.

Title (fr)

Substrats antimicrobiens solubles dans l'eau.

Publication

EP 0354569 A2 19900214 (EN)

Application

EP 89114801 A 19890810

Priority

US 23094588 A 19880811

Abstract (en)

An antimicrobial water soluble substrate is formed by combining a silane, generically a quaternary ammonium salt form of a silane, with a water soluble powder selected from the group consisting of antiperspirant salts, starches, clays and sugars. When the substrate is dissolved in water, the silane is released for redeposition.

IPC 1-7

A01N 55/00

IPC 8 full level

A01N 25/14 (2006.01); **A01N 25/24** (2006.01); **A01N 55/00** (2006.01); **A01N 55/10** (2006.01); **A61K 8/11** (2006.01); **A61K 8/26** (2006.01); **A61K 8/28** (2006.01); **A61K 8/58** (2006.01); **A61Q 15/00** (2006.01)

CPC (source: EP US)

A01N 55/00 (2013.01 - EP US); **A61K 8/0241** (2013.01 - EP US); **A61K 8/26** (2013.01 - EP US); **A61K 8/28** (2013.01 - EP US); **A61K 8/585** (2013.01 - EP US); **A61Q 15/00** (2013.01 - EP US); A61K 2800/412 (2013.01 - EP US); Y10T 428/2995 (2015.01 - EP US)

Cited by

EP0381165A3; US6918435B2; WO02075220A1; WO02075232A1; EP2464222B1; EP4166710A1; EP4166711A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0354569 A2 19900214; **EP 0354569 A3 19910522**; **EP 0354569 B1 19930407**; AU 3951889 A 19900215; AU 617845 B2 19911205; CA 1322955 C 19931012; DE 68905882 D1 19930513; DE 68905882 T2 19930805; JP H0291008 A 19900330; JP H0688890 B2 19941109; US 4921701 A 19900501

DOCDB simple family (application)

EP 89114801 A 19890810; AU 3951889 A 19890811; CA 605941 A 19890718; DE 68905882 T 19890810; JP 20491289 A 19890809; US 23094588 A 19880811